

APPENDIX A: DNA SEQUENCES

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>RXA00226-upstream

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>RXA00226

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>RXA00226-downstream

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>RXA00231

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>RXA00231-downstream
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>RXA00249
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>RXA00299-upstream

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>RXA00299

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>RXA00332-upstream

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>RXA00332

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>RXA00354

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>RXA00354-downstream

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>RXA00372-upstream

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>RXA00372

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>RXA00372-downstream

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>RXA00470

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>RXA00567
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>RXA00567-downstream
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>RXA01073-downstream
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>RXA01082-upstream
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>RXA01082
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>RXA01090
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>RXA01117-upstream
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>RXA01117
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>RXA01224-upstream
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>RXA01224
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>RXA01126
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>RXA01151-upstream
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>RXA01151
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>RXA01571-downstream
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>RXA01161
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>RXA01181
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>RXA01182-upstream
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>RXA01182
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>RXA01189-upstream
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>RXA01189
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>RXA01214
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>RXA01236
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>RXA01250
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>RXA01254-upstream
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>RXA01254
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>RXA01254-downstream
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>RXA01257-upstream
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>RXA01257
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>RXA01257-downstream
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>RXA01270-upstream
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>RXA01270
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>RXA01270-downstream
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>RXA01277
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>RXA01277-downstream
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>RXA01288-upstream
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>RXA01288
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>RXA01288-downstream
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>RXA01302-upstream
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>RXA01302
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>RXA01303-upstream
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>RXA01303
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>RXA01303-downstream
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>RXA01307-upstream
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>RXA01307
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>RXA01308

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>RXA01309

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>RXA01309--downstream

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>RXA01324--upstream

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>RXA01324

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>RXA01324--downstream

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>RXA01340-upstream
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>RXA01340
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>RXA01340-downstream
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>RXA01354-upstream
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>RXA01354
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>RXA01354-downstream
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>RXA01358-upstream
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>RXA01358
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>RXA01385-upstream
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>RXA01385
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>RXA01513-upstream

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>RXA01869-upstream

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>RXA01869

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>RXA01869-downstream
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>RXA01885-upstream

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>RXA01885

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>RXA01918
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>RXA01932
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>RXA01971
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>RXA01993
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>RXA01994

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>RXA02016

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>RXA02018
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>RXA02083
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>RXA02101

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>RXA02192
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>RXA02275-upstream

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>RXA02275

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>RXA02276-upstream

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>RXA02276

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>RXA02278-upstream
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>RXA02278
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>RXA02316

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>RXA02317

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>RXA02410

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>RXA02411-upstream

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>RXA02411

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>RXA02530-upstream

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>RXA02530

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>RXA02530-downstream

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>RXA02535
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>RXA02828
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>RXN00513-upstream

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>RXN00513

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>RXN00531-upstream

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>RXN00549-upstream

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>RXN00550-upstream

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>RXN00622
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>RXN00639
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>RXN00877

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>RXN03026-upstream

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>RXN03026

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>RXN03026-downstream
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>RXN03028-upstream
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>RXN03028
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>RXN03028-downstream
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>RXN03036-upstream

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>RXN03036

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>RXN03077-upstream

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>RXN03077

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>RXN03077-downstream

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>RXN03088-upstream

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>RXN03088

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>RXN03091-upstream

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>RXN03091

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>RXN03091-downstream

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>RXN03092-upstream

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>RXN03092

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>RXN03092-downstream

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>RXN03094-upstream

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>RXN03094

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>RXN03094-downstream
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>RXN03128
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>RXN03128-downstream
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>RXN03131-upstream
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>RXN03131
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>RXN03133-upstream

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>RXN03133

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>RXN03133-downstream

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>RXN03145-upstream

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>RXN03145

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>RXN03145-downstream

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>RXN03178

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>RXN03178-downstream

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>RXN02021-upstream

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>RXN02021

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>RXN02021-downstream
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RXC00110 - 5'-Region

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RXC00110 - coding Region

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RXC00110 - 3'-Region
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RXC01971 - 5'-Region

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RXC01971 - coding Region

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CTA

RXC01971 - 3'-Region
TAACGTGAGGTAGCTCACAGTCA

RXS00004 - 5'-Region
TTGCACTGTCATGACTGTATCCCGGAAGAAGTGTCCCTGCCGAGCCGAACCTCTGAACAATGCCTTCCG
GAAGTATTTTCCAATTCCCGATGTAGGGTCA

RXS00004 - coding Region
GTGCTGACTCAATTGATTGAATCATCGATTTTCGACAACGTTGCGAGCAGGGAGTCCTCTGAATTTCTC
GGCCATGCTGCCATCGATCTACTTGCTGGCCTTGTCTATGAAAAAGCCACTCCCTATGCTCCAGATGAA
GCACTTAGAGTGGCAGTTTATGGCTATATTTCGGGAGAACCTTGGATCCTCACAACCTACGGTCGCAGCT
GTAGCCGGGGCGCATAGAATCGCGTTTCGTACGTTGCATCGATTATTTGAAGGCGAAGCATACGGAGTA
GCGGAATTAATCCGACACCTCCGATTAGAGGCAGTATATGAAGACCTTCGGGATCCTCGCCTCCAGAAC
CTGACCATTTTGGCTATCGGCATGCGCCACGGCATTTCCAGCCAAGCTCATTTAACAAGACTGTTTCGC
GCTAAATATGGGGTACCGCCGCGAGAGTTTCGCCGAGGGTATATTAATAGCGCTGCT

RXS00004 - 3'-Region
TGAGGGCACCGCAAGCGTGGCGC

RXS00156 - 5'-Region
ACCGAGAGCGTGGTACGCCTCATTTAGTTTCCTCCTATGAATCTTGATGTGGTTCATGCGTTTTTATGC
AATATCAACCAAAAGTTGGTACGATCCTCAT

RXS00156 - coding Region
ATGAATGAACGCACATCGGATGCATTTGACGCCCTCCTTGTGCTCTCCTTCGGTGGTCCCGAAGGGCAC
GAGGAGGTTTCGTCCGTTTTTGGAGAATGTCACTCACGGAAGGGGGATTCCGCCGGAACGTCTAGATGAA
GTGGCGGTTTCATTACCACCACTTCGGTGGTATCAGCCCCATCAATGCGCTGAACAGGGAAATTATCGCC
AATGTGGAAAAAGAATTGGCGTCTCGCGATCACAAGCTGCCTGTTTATTTTGGTAACCGCAACTGGAAG
CCGTTTGATAATGAGGCCGCTGAACAAATGGCTGATGACGGCGTGAAAAACGCGCTGGTGTGGCAACT
TCCGCTTGGGGTGGCTACTCCGTTGTCGGCAGTACCAGGAAGATATTCAGGGCATGATCAAGCACCTG
GAGTCTCAGGGGCAGTCGATCACGTTACCAAGCTGCGTCAGTTCTACGATCACCTCGTTTTGTCTCC
ACCATGGCTCAATTGGTTTCAGGATTCCTACGCGAAGCTTCCCGATGAGCTGCGAGATGAGGCGCGTCTG
GTCTTCACCGCGCACTCCATTCCACTGACTGCGGACAATGCTGCGGGAACCCCTGAGGATGGCTCCTTG
TATTCCAGCATCAGGTCAAGGAAGCGTCAGCACTGATTGCTGAGGCTGTTGGTGTGTGAGATTTGATGTG
GTGTGGCAGTCCCGCTCGGGTAGCCCGCACACTCCGTGGCTGGAGCCTGACATCGTGGATCACGCAGTG
GAGCTCAACGAGAAGGGTCAAAAAGCGCTCGTTGTCTGCCCTGTAGGCTTTATTTCTGATCATATGGAA
GTCATTTGGGATCTTGATTCCGAGCTGATGGAAGAAGCCGAGAAGCGCAACATGGTGGTTCGAGCGTGTG
GCTACCGTTGGCCCCACCGATGAATTCGAGCCCTTGTGGTTGATCTCATCGAGGAGGCAGAGCTCAAG
CGCGTTATCGAGCGCTTGGAAGCTGCCAGCACGCGGAAGTTCGCTCAACGGCGCACCGTGTGGCGAC
GGCTGTGTGGTACCGCAAGCATAAAACCGCGCGGGTGAACCCCAACGCTCGCTCAGCGGCGCCAGCT
GCCAAC

RXS00156 - 3'-Region
TAGGAGTGATAGTCCCTCGCAAA

RXS00166 - 5'-Region
GGCGTTTAGCGATCTTCAACATCGAGCAACCAGCGCCAGCGCTTTTACCCAAGGCAGCACGACTTATCA
CGATGTCCGACCTGGATATCCGGCTGAGGCC

RXS00166 - coding Region
GTGGAGTTAGCCCGTGGGTTTGGCCGAGTCCTGGATGTGCGGTGCAGGTACCGGAAAACCTAACCAAGT
CTAACAGCTGATCAGGTCCCTAGCCCTTGATCCAAGCATGGACATGTTGCGGGTGTTCGCTCCGCGCTT
CCGGCGGTTCCCTGCTGGCAAGCGACAGCAGAACACACAGGAATACGTGACAACGCGGTTGATCTGATT
ACGTGCGCACAAACGTGGCATTGGGTTGACGTGACGGCTGCCTCAGCGGAATTTGATCGGGTGATTGCA
CCTGAGGGTGCAGTCTGCTCGTGTGGAATAACCTGGACACCTCCATCGCGTGGGTACACCGACTCAGT
CGCATTATGCATGCCGCGATGTACTCAAGCCGGGATTACCCCCAGAAACCGCAGCTCCCTGGATAATT
GATCGAGAAATTCGCACCACGTGGAATCAGCACCTCACCCCTGAAGAAATCATCCAGCTCGCTCACACG
AGGTCTTACTGGTTAAACGCGTCAGAGAAAATCAAAGAGCGTGTGATCAGAACCTTCAGTGGTATCTC
TACGAGCATTTGGGTTTCAGTCCCGACAATCCAGTGGAACTTCCCTATCGCTGTGATGCATTTTTACTT
TCACGTTCCGGTACCCTGGCAGGCAGATCTTCCAATCTT

RXS00166 - 3'-Region
TAGGAGCCCTCGCCATGTACCTG

RXS00197 - 5'-Region
GTCGATGATATTTTGGCAACCGAATCTGAGGCACGCGCGTGC GAATGCTTTGATCAACCGGTTGGCA
ACCAACTTGTAAGCTAAGGAGCTTCCGCCTC

RXS00197 - coding Region
GTGGCAGCCTATCTTCTTGGTGTCTGATTATTTTTCCTCGGCATCGCAGTAACCATCGCGCTTCACGAG
TGGGGGCACTTCATCACAGCGCGCATTTTTCGGAATGAAAGTGC GGCCTTTCTTCATCGGTTTCGGCCCG
ACGGTGTTTGCCAAAAGACGCGGCGAAACCGTGTACGGCCTTAAAGCGATTCCGGTTCGGCGGTTTTTGT
GACATCGCGGGGATGACTGCCAAGATGAACTTGATCCGGAAGACCTGCCGCGCGCCATGTATCTAAAG
CCCTGGTGGCAGCGCATAATTGTGCTTTCCGGCGGCGTGATCATGAATCTGATCGTTCGGCTTTTTGGTG
CTTTACGGCGTGGCGGTGAGCTCCGGAATCCCGAATCCGGATGTGGATACCACCGGACAGTCGACACC
GTTTCAGTGCGTGCCGGAACCCAAATTTCCGCAACTGAACTGTCTCCTGCGTAGGTTTCAGGCCAGCG
GGCGACGCCGGCATTGAGCACGGCGATAAGATTTTGGCCGTCAACGGCCAAGAGATGGCAAGCTTCACC
GCCATCCGCGATGCGATCCTCGAGCTCCAGGCGAAACGGCAACGCTGACGATTGAACGGGAGGGAACG
CTTTTCGACGTCGACCTCCAGGTTGCCTCTGTCAACCGTCTCGCTCTGACGGTTCAGAAATTACCGTC
GGCGCGGTGGGCATGTGAGCCTTCCACCGACCGATGTGTACAAAAAATACGGCCCAATCGAGGGTGTG
GGAGCAACTGCACGTTTACCGGCGACATGATCAGCGCCACGTGGGATGGCCTCAAAGCCTTCCCGGCG
AAAAATCCCAGGGGTGTCGTCATCCATCTTCGGTGCAGAACGAGATGTAGAAAGCCCCATGAGTGTGGTG
GGCGCGGTACGCATCGGCGGCGAATTTGTGAACGTTCCATGTGGGACATGTTTCATGATGATGCTGGCC
AGCCTGAACCTTCTTCTCGCGCTGTTTAACTCGTGCCGCTGCCACCACTTGATGGCGGACACATTGCC
GTGGTGATCTATGAAAAAATCCGCGACTTCTCCGCAAACTGCGCGGAAAACAGCGGGCGGCCAGCG
GATTACACCAACTAATGCCCGTCACCGTAGCTGTGCGAGCCTTGCTGATGACAGTGGGAGGCCTGGTC
ATTGTCGCCGATGTGGTCAATCCCATCCGACTCTTTGGC

RXS00197 - 3'-Region
TAACGATACGGAATTGAACTGCC

RXS00288 - 5'-Region
GGCGTGCTAAAAAAGCACGTCAAATACAGAATCGGCAGATTACATCGCTGAGCAGAGAAAACACGGGCA
TGAAACGTACCCAAGGGCTAACATCGGGGGC

RXS00288 - coding Region
ATGAGCGCGCAAATGGATACCCCTGATCCCCTATGTCTGCTGTTGCAATGTTAGATTCCATCCCTTCT
GATCAACCAGATTTCTGATCGATGTAGAAGTAGATCGACCAACTCCCGGACCACATGATCTGCTAGTC
CACATTGAGGCGGTCTCAATTAACCTGTTGATACCAAGGTACGCATGCGGGCCGGGAAGCAAAAGCAT
CCTAAAATTTTAGGTTTTGATGCTGCAGGTGAGGTGGTGGCTGTTGGATCGCAGGTACGCTCTTCAAT
GTTGGTGACAAAGTGTCTACGCAGGATCCAATCAGCGTCCAGGAAGTAACGCAGAGTACCAGGTGGTG
GATGAACGGCTGGTGGGTACGCACCACAAAGCTTGGGGGACACGACGCGCGTCTCTCCCACTTGTC
GCGCTCACTGCATGGGAGTCACTTTTTGACCGATTGGGAGTAACTCAGTCAACTACTGGAACACTGTTG
GTCTTGGGCGGTTTACGAGGTGTGCCTTCAGCTCTTATTCAACTTGCTCGAGCTCTCACTGGTCTGAAA
GTAGTGGCAACAGCTTCTCGCCCTGAATCACAAGAATGGGTGACAAAGCTCGGTGCTCATGAGGTGATT
GATCACTCCAAGGATTTGAGTGAGCAAATCTCCGACGTGGATTTTGTTCAGCTCGTGGACTACTGGG
CGTGAAGTAGAGCTCGCCACGTTGATGAAACCCAGTCCACCTAGTGCTCATCGATGATCCAGTGGAT
CCCAATTTGGGCGCTTTTAAAGCAAAAAGCGATCGCTTTGCACTGGGAGTTCATGTTTACCCGCGCTATG
TTCAACACTCCTGATATGGGTGAACAAGGGAAAATCTGAATAAGATCGCCGACATGGTTGATCGGGGT
CAGTTTGAGTCCGTGACAGCAACGGTGCTGGATGGGCTCAACGCTGCAAACATCATGGAGGGGCACCGG
CTCGTTGAGCAGGGTAAAACCTCAGGAAAAATTGTTGTGAGGGTA

RXS00288 - 3'-Region
TAAAGAGGACTTGAAAAATGCAC

RXS00624 - 5'-Region
TCCATGACGTTTTGAATGGAAAATCTCCATTTGTGGAGTTAGAAGAAGACCACTAGTTTTCAACAGGAC
GACAACGGCCGGACATGCGACAATACAATGC

RXS00624 - coding Region
ATGTCCGGCCGTCTTCTTGTTCAGTTTCTAGTATTTTCGACCAGACCCGATCGGCGGCTGACAGGCTC
ATTTTCAGACCTGCGAGCCGACGGCATCGAGGTCTCATTACTTGTGCGACCCCGCATCGATGGGGACTGG

CGTCTCGCCAAAGACAAAGGGACCCTCGCGTGGATGGAACAACAACGCGAACGCGGCCACGAACCTCATC
CTCAACGGTTTCGACCAAGCAGTTTCAGGGACGTCGCTCAGAATTCGCCAACCTTGAACGGCACGAAGCA
CGTCTTCGCCCTTACCGGTGCCATTAGGCAAATGCAGAAAATTGGCTTCGAATTCCAAATCTTTGCCCCA
CCTCGTTGGAGAATGTGAGAAGGCACCTTCGCGGTACTCCCAGAATTTGATTTCAACGTCGCGCCCTCG
ACCAGGGGATTACATAACCTCGACACCGGCGAATTCTTGGCGTGTAGAAACCTCTCCGTGGGTGAAGGT
TTTGGTGCTGCAAAATGGTGGCGCAAGAATGTATCAAGGCTGTCACTCGTGGAGCGGAAAAAGGAAAT
ACAGTGCCTTGTCCGCATCGGCGCGAAATCTCACCAACCCTAAAGTCGCAGCTGACTTCCGGGAAGCT
GCATTAGCTGCCTTGGATTTGGGTGCTCAGGTGCAAACCTATTCTCAGGCGGCCGCACAACCTGGCC

RXS00624 - 3'-Region
TAGTTGGGGAGGTTTCGGGGCACC

RXS00949 - 5'-Region
GCTCAAGGATCCTTCCTGGGCAAACCAAGCAGCCCTCGCACTAGGTGCGGAACCCAGGTATGTTACCA
ATACGACTACGTACTTTAAAGGAGAGTTGAC

RXS00949 - coding Region
ATGAAGGTTTTTCATCATCGGCGCTGCGGGTGGCATCGGCAATCGACTTTCCAGCCTGCTTCACGCCAGG
GGAGATGCAGTTAGCGGCATGCACCGCAATCTTGAGCAGGCCTCAAAAATCACAGACACTGGGGCAACT
GCCGTACTCGGGGATCTCATCCACAACAGCACGGAGGAGCTTGCGGAGCTTTTCCGCGGTACAGATGCC
ATCGTATTTTCTGCAGGCGCCACGGAACAGGGCAAGAAAATACCACGCTTATCGACGGCGCCGGCCTC
CGTAAAGCCGCGACGCTGCCAGCGCGGCCAACGTTTACGCTTCATCTTGGTCTCTGCGTTTCCGGAA
TCCTCCCGCGGGGAGAACCACCGGAGAACTTTGAGCACTATATGAAGGTGAAGAAGTCCGCGCATGTC
TACCTCAGTCACTGACCTAGACTGGGTATTTGTCCGACCGGCGTGCTTCAAGATGAGGCAGGGAT
GGTTTAGTCACTGCTGGCTTAGCGATTAATTACGGCAATGTTGCTCGCGATAATGTGCGAGCGTTTATT
GATGAAGCTCTGCATCAACCGCAGTTGTCAAAGATCATTTGTTGAACCTACCGACGGTTCAACTCCGGTG
CGGAAGCCGTAGAAGCCTCATCAAG

RXS00949 - 3'-Region
TAAAGACGAAAAGAGGGAGAATG

RXS01000 - 5'-Region
CTTCTATGCCTACGCGGATGTTTCCGTGATCATTCTGGAAATCCTCATCGTGGTGATTGTCATTGAAG
TAATCTCCAACGCACCTTCGAAAGAGGCTGGT

RXS01000 - coding Region
ATGAGCACCTTAACCTCTCACCGCACAGTACCGGCCCCAGCTCTCCCCGCGCGCCCCAACAACTG
GCGCGCAATATCGTTGCAATTGTGCGTGCCTGATTGTCTTATAGCTACCGGCACGCTCAAGATCGAG
TGGAATGAGCTTCCGCAGATGCCCCGCGCAGGTGTGGCATTACTTAGAGCTGATGTTTAGCGATCCCGAT
TGGTCGAAGTTTGGCCGCGCCGTCCAGGAAATGTGGCGTTCCATCGCCATGGCGTGTTGGGTGCCATT
TTATGCGTGGTGGTCTCTGTCCCTCTGGGAATGTGGCTGCCCGCGGGGTGGGACCTTATTGGCTGCGT
ACCGTTTTACGGTTCGTGTTGCGGGTGAATCGTGCGTTCCCCGAAGTGGTTATCGCAATTATTTTGCTA
ACTGTCACCGGCCTAACTCTTTTACTGGTGCCTCGCATTTGGGTATCTCCGGTATTGGACAACAGGCA
AAGTGGACCTATGAAGCCATTGAGTCCACTCCACCGGCCCGTCAGAGGCAGTGCCTGCAGCGGGTGA
ACTACGCGGAGGTTCTGCGGTGGGCGTTGTGGCCACAGGTTGCGCCATCCATTGCATCTTTTGCCCTG
TACCGCTTTGAGATCAACATCCGTACCTCTGCGGTATTGGGCATCGTTGGTGCAGGTGGTATCGGTAGT
ATGCTTGCCAATTACACCAACTACAGGCAGTGGGACACCGTGGGCATGCTGCTCATCGTCTGTTGTC
GCAACGATGATCGTCTCATCTCCGGCACCATCCGCCCGGCATCATGAAGGGGGCTAGTGACCGT
GTCGTGGCACCAAGCAAC

RXS01000 - 3'-Region
TGACGCTCCACCAAGCATCCGCA

RXS01002 - 5'-Region
GACTGCTGATACCGCACAGGATGAAATCACTCGTTACGGCGAGATCCTGAAGAAGTTCTCCAATAATT
TCCCTGTTTCCAATACTCAAGGTGTGCGCAT

RXS01002 - coding Region
ATGAATTCTGATGCTTCGGCTACCACCAACTCCTGGGCTATCAACTTCGACCATGTGTGCGGTGACGTAT
CCCAATGGGACGAAAGCCCTCGATGATGTTTCCCTCACCATCAATCCCGGTGAGATGGTTGCCATCGTG
GGTCTGTCAGGATCGGGTAAATCCACGCTGATTCGCACGATCAACGGTCTTGTCCGCGCTACGGAAGGC

ACCGTGACGGTGGGGCCGCATCAGATCAACACCTTGAAGGGGAAAGCACTGCGTGATGCCCCGTGGGCAG
 ATCGGCATGATTTTCCAGGGTTCAACCTGTCCGAACGCAGCAGTGTGTTCCAGAATGTTTTGGTGGGC
 CGTTTCGCGCACACAGCGTGGTGGCGTAACCTCCTCGGGTTTCCCACGGAGCACGACAAGCAGATTGCT
 TTTCACGCGTTGGAGTCCGTGGGCATTTTGACAAAAGTGTGGACCCGAGCTGGTGCTTTGTGCGGTGGA
 CAGAAACAGCGCGTTGCTATTGCGCGCGCCTTATCGCAAGATCCGTCTGTATGCTGGCAGATGAGCCT
 GTGGCAAGCCTTGATCCGCCAACCGCGCATTCCGTGATGCGCGATCTAGAAAACATCAACAACGTGGAA
 GGCCTCACCCTGTTGGTGAACCTGCACTTGATTGATTTGGCTCGTCAATACACCACAAGGCTTGTGGGT
 TTGCGTGCCGGCAAGCTGGTCTATGACGGTCTTATCTCTGAGGCCACCGATAAAGACTTTGAAGCTATC
 TATGGTCGCCCCATCCAGGCTAAAGACCTGCTAGGTGATCGCGCA

RXS01002 - 3'-Region
 TGACCACGCCTTCTTCTACACTT

RXS01003 - 5'-Region
 AGCTGGTCTATGACGGTCTTATCTCTGAGGCCACCGATAAAGACTTTGAAGCTATCTATGGTCGCCCCA
 TCCAGGCTAAAGACCTGCTAGGTGATCGCGC

RXS01003 - coding Region
 ATGACCACGCCTTCTTCTACACTTATCCACAAAAGCCTCGGGCTGGGGTAAAGACCTATCTCATCATC
 GCGGCCATCGTTGTCTTACCGTGGCAACAGCAACCCAGCGCTAGGTGGCATTGAGCTTGATTTGCGCT
 TCCATTGCTGCGAATTGGCGCAATGGTGCCAACTCCTGCAAATGCTGCAGCCCAACTTTGCGTTC
 TTGCTCGTACGTGGCTTCCCATGTTGGAACCCCTGCAGATGGCGCTTGTGGAGCTGTCTTGTCTGCT
 GCGGTATCGGTGCTTTGACGTTGTGGGCAGCGCAGGCAACCAACACAGTGCAGTGGTGGTGGCATT
 GTCCGCACCATCATTAACGTGGTGCGCTCTGTCCCCGACTTGGTGTATGCCACCATCTTGGTCGCCATG
 GTTGGTGTGCGCGCATTACCTGGCATTTTGACGCTGTTTCTGTTCAACCTGGGCATCGTGGTCAAGCTT
 GTCTCTGAGGCCATTGATTCCACTGAGCATCCCTATATGGAAGCAGGACGCGCAGCAGGTGGATCACAG
 TTCCAAATCAACCGAGTCTCCGCGCTTCTGAAGTCATGCCGCTCTTTGCCAACCAATGGCTCTACACC
 CTAGAGCTGAATGTACGCATCTCCGCCATCCTTGGCATCGTGGGCGCAGGTGGCATCGGCAGGCTGCTT
 GATGAACGCCGAGCTTTCTATGCCTACGCGGATGTTTCCGTGATCATTCTGGAAATCCTCATCGTGGTG
 ATTGTCAATTGAAGTAATCTCCAACGCACTTCGAAAGAGGCTGGTA

RXS01003 - 3'-Region
 TGAGCACCTTAACCTCTCACCGC

RXS01114 - 5'-Region
 TTCGGTGAAGATATCCGCAAGCTGGTGCTGCCGAGCTTTTAGAAACGGCTCAAGCAATTTGCACAGA
 TCTCTCTGCACTCTAAATTAAGGATCAAAAA

RXS01114 - coding Region
 ATGAACCCTCAAGATATTGTCTATCTGTTCCCCATTGCGCACCCAGTTGGTGCTTACGGCGGATCCTTC
 ACCGGCGTCCCTGTTGAAGAATTGGCCACCACCGTGATCAACGCGATCGTTGAGGCAACCGGCATCACC
 GGCGACGATGTGGACGATCTGATCCTCGGCCAGGCATCCCCCAACGGTGCAGCTCCAGCACTGGGCGGT
 GTTGTGCTCTAGATTCCAAGCTTGGCCAAAACGTTCCAGGCATGCAGCTTGATCGCCGCTGTGGTTCC
 GGCCTGCAGGCAATCGTACCGCTGCTGCACACGTTGCATCCGGCGCTGCTGATCTGATCATCGCAGGT
 GGCGCAGAAATCCATGAGCCGCGTTGAGTACACCGTGTCGGCGATATCCGTTGGGGTGTCAAGGGCGGC
 GACATGCAGCTTCGTGACCGCCTTGCAAGACACGCGAAACCGTGGCGGACGCAACCAACCCGATCCCT
 GGTGGCATGATCGAGACCGCTGAGAACCTGCGTCGCGAATACGGCATCTCCCGCAGGAGCAGGACAAG
 ATCTCCGACGCTCCAGCAGCGTTGGGGCAAGGCTGCTGATGCGGGGCTTTTCGACGACGAGATCGTG
 CCAGTCACCGTCCCTGCCAAGAAGCGCGGCCAGGAGCCAACCATCGTTTCTCGAGACGAGCATGGTCGA
 CCAGGAACAACCGTCGAAAAGCTTGCTGCTTTGCGCCCCATCATGGGCCGCCAGGATGCGGAAGCAACC
 GTCACCGCTGGCAACGCGTCCGGCCAAAATGATGGCGCTGCTGCCGTCATCGTGACCACTCGCGCCAAG
 GCCGAGGAGAAGGGCCTGCGCCAGTCATGCGTTTGGCTGGCTGGTCTGTGGCTGCTGTTCCCCCAGAG
 ACCATGGGTATTGGACCTGTTCTGCCACCAAGAAGGTCCTGGATCGTTTGGGCCCTTACCCTGGAGGAC
 ATCGGCGCGATCGAACTCAACGAAGCTTTGCGAGCTCAGGCACTGTCTGTGCTGAAGGAATGGAACATT
 TCTTGGGAAGATGAGCGCGTCAACCACTGGGTTCCGGTATTTCCATGGGACACCCAGTCGGTGCCACC
 GGTGCTCGCATGGCAGTAACCTTGGCTCACCGCATGCAGCGTGAAAACACTCAGTACGGACTGGCCACC
 ATGTGCATCGGTGGCGGCCAGGGTCTTGACGCTGTCTTTGAAAAGGAGAAC

RXS01114 - 3'-Region
 TAAAAATGGCTATTTTGCACAGC

RXS01205 - coding Region

GTATCGGCCTATCCGCCGCCATCATCGCAGCGGCTCTCGTAGGAATTTGCGCGGGAGTTTTGCCCCAT
 AATTTTGAACCCTCGCGAATATTTATGGGCGATTCCGGCTCCATGCTCATCGGCCTGCTGTTGGCTGCA
 GCATCGACCTCAGCGTCAGGAAAAATCAACATGAGCCTGTATGGCGCAGCTGATTTTATCGCATTGATC
 TCACCCATCATCGTTGTTCTCGCCGCGGTGGCCATCCCACTGCTCGACCTCGTGATGGCAGTGGTTAGG
 CGCGTGCGGAGGGGAGCATCACCTTTTCCCCGGACAAAATGCATCTGCACCACCGACTGCTGTCCATC
 GGACACACCCATAGGCGCGTGGTCCTAGTGCTCTACACCTGGGCGAGCGCCGTGGCATTGCGCGCAGTG
 AGCTTCTCCGTCGTTCCGCCACTGTTTGCCACCGGATCGAGCATCTGTGGCATCTCATCGCCGTCGCT
 GTCACAGCCGTGCCAGTGATGAAAAGCCGGCGAGCCGCCAACTTGAT

RXS01205 - 3'-Region

TAAGTGATTGTCACTTTGGATTG

RXS01223 - 5'-Region

GCGGGAGTGGACGGGCCGAGCCATCGGGGCGACAATCACGGGAGTTTTCAACGTGTCAAGGATGCTC
 ATGGCACCATCTAGGCGCGCTGCCATAGG

RXS01223 - coding Region

ATGACTTCCGTGAGTTTTTTGTCTAAAATCCAAGCACTGTTTGCCCCAAGCCTGAACTTCCCGCCGCC
 AAATGGCTGGTTCGTGGGCCTGGGCAACCCCGGCGCCAAGTACGAATCCACCCGACACAACGTCCGTTAC
 ATGTGCCAAGACATGCTTATCGACGCCCACCAGCAGCAGCCCCTCACCCCGCCACGGGCTACAAGGCC
 CTCACAACGCAGCTCGCACCAGGGGTGCTCGCCGTTTCGATCCACCACTTTTATGAACCACTCCGGCCAA
 GGTGTGCGACCGATCGCCGCGAGCGTTGGGTATCCAGCAGAGCGCATCATCGTGATCCACGACGAGCTC
 GATCTGCCCCGTGGAAAAGTACGCCTGAAAAAGGGCGGAAAACGAAACGGTCAACAACGGCCTGAAATCC
 CTCACGGAAGAGCTCGGCACCAGAGACTACCTGCGCGTCCGCATCGGCATTTACGACCACCAGCAGGA
 ATGGCCGTGCCGACTACGTTTTGGAACCAGTCGATCACGACCAACCAGGCATTGAACTTGCCGCCGAG
 GCAGTGATTTGCTGCTGGCCCAGGGATTATCTGCTGCGCAAACGCTATCCACAGCCGC

RXS01223 - 3'-Region

TAGATTGCTAGAGATTCGCCGAC

RXS01269 - 5'-Region

GATTATCTCTGCGCCGATTACAGCTGGCAATAGCAGCAGTTGTATTGAGAGCTCATGGTCTCCGATTCT
 ATTTTCGTCAACCACGACCTGGGAAAGACGGT

RXS01269 - coding Region

GTGGTATTTGAGATGATTAAGTTTTCGAACCATGCTTGAACCAGATGAAAAACATGTAAGTATGAACAG
 CGTCTAACTAAAGTTGGAAAGCTTCTGCGGGAAACGAGTTTAGATGAGTTACCTACACTCTGGAATGTA
 TTAAAGGTGATATGAGCCTTGTAGGGCCTCGACCTTTGCTTGTAGCTATCTGGAACATTACTCTTCT
 GAACAAGCTCGACGCCATGAAGTTCGTCCTGGGATTACTGGTTTGGCTCAGGTGAATGGCCGTAATCAA
 ACTACTTGGGATGAACGACTTAAGTTGGATGTGGAATATGTGGATCGCTGTAGTTTGAAACTAGATTTC
 AAAATATTAATCGCCACTGTAAAAACAGTTCTTTCTAAAAAGGGCATTAGTAATGAAGGTCATGTCAG
 ATGCCATCCTTCATTGAAGAAAGAAAA

RXS01269 - 3'-Region

TAGCAGGTAAAAATTTTACTTTC

RXS01421 - 5'-Region

TTGATGCACGTGCAGAAATCGTCGGCGGTCCGTGGCACCCATCTGTAAAGGGAGACTCGGTTACTGCAG
 GGATCCTGCGAGATCGAGTAAACGCCTAAAG

RXS01421 - coding Region

ATGACGTCGAAAAGCATTAGCGGCAAGCGCCCGAATCTGCCGTCGCTCACTGGAGCGCGGTGGCTCGCG
 GCGCTCGCTGTTTATTTTTTGCATGCGTTGGTGTTTTGTGCGGTGTATCCGTTCCAGCAGTCGGAACGTG
 TTTGCCACAATCCATAAATTTGTCCCATGCAGCTGGGTTTCAGCTGGTGTAACTTCTTCTTTATCTTG
 TCCGGATTTTGTATCTATTGGTCAAATAGCCAGCTCAAGGGCATGAAGAATGTGCTGTATTACTGCAAG
 CGCCGCATCACCAAGATTTATCCCATGCACTTGATTGCGTTGCCGATGTTTATTGAGGCGTCGGCGAAG
 TTCACGACTACAGGCATTACCTGGGTGCTGATTTTGC

RXS01421 - 3'-Region

TAAAGCTGTGGCTGCGGAATGCG

RXS01491 - 5'-Region

AACGGTGTGAAACACATTGAAGTGTGCTTGGGTTATCCGCGCGAATGGGAGCATTGGTCTGGGCAGCAT
GTGTGGCCATATCCAGTGATGGAGGTGGACA

RXS01491 - coding Region

ATGCTGGATGAGTCTTTGTTTCCAAATTCGGCAAAGTTTTCTTTCATTAAAACTGGCGATGCTGTTAAT
TTAGACCATTTCCATCAGTTGCATCCGTTGGAAAAGGCACCTGGTAGCGCACTCGGTTGATATTAGAAAA
GCAGAGTTTGGAGATGCCAGGTGGTGTGCACATCAGGCACCTCCAAGCTTTGGGACGAGATAGCGGTGAT
CCCATTTTGCCTGGGGAACGAGGAATGCCATTGTGGCCTTCTTCGGTGTCTGGTTCATTGACCCACACT
GACGGATTCCGAGCTGCTGTTGTGGCGCCACGATTGTTGGTGCCTTCTATGGGATTGGATGCCGAACCT
GCGGAGCCGTTGCCCAAGGATGTTTTGGGTTCAATCGCTCGGGTGGGGGAGATTCTCAACTTAAGCGC
TTGGAGGAACAAGGTGTGCACTGCGCGGATCGCCTGCTGTTTTGTGCCAAGGAAGCAACATACAAAGCG
TGTTTCCCGCTGACGCATAGGTGGCTTGGTTTTGAACAAGCTGAGATCGACTTGCCTGATGATGGCACT
TTTGTGTCCTATTTGCTGGTTTCGACCAACTCCAGTGCCGTTTATTTTCAGGTAAATGGGTACTGCGTGAT
GGTTATGTCATAGCTGCGACTGCAGTGACT

RXS01491 - 3'-Region

TGAACTGGATGGAGAGGATACCT

RXS01572 - 5'-Region

CTGCTGTGCGCAGGCATCACCACCTACTCCCCAATCGCTCGCTGGAACGTTAAAGAAGGCGACAAAGTA
GCAGTCATGGGCTTCGGCGGGACTCGGACAC

RXS01572 - coding Region

ATGGGTGTCCAGATCGCTGCAGCCAAGGGTGTGAGGTTACCGTTCTGTCCCGTTCCCTGCGCAAGGCA
GAAGTTGCCAAGGAAGTTCGGCGCAGCTCGCACGCTTGCAGCTTCTGATGAGGATTTCTTACCCGAACAC
GCCGGTGAATTCGACTTCATCCTCAACACCATTAGCGCATCCATCCCAGTCGACAAGTACCTGAGCCTT
CTCAAGCCACACGGTGTGATGGCTGTTGTGCGGTCTGCCACCAGAGAAGCAGCCACTGAGCTTCGGTGCG
CTCATCGGCGGCGGAAAAGTCTCACCAGGATCCAACATTGGCGGCATCCCTGAAACCCAGGAAATGCTC
GACTTCTGTGCAAAACACGGCCTCGGTGCGATGATCGAACTGTGCGCGTCAACGATGTTGATGCAGCC
TACGACCGTGTGTTGTCGGCGGACGTTTCAGTTCCGCGTTGTCATTGATACTGCTTCGTTTGCTGAGGTT
GAGGCGGTT

RXS01572 - 3'-Region

TAGGTTTACTGAAGTTCAGACTT

RXS01642 - 5'-Region

TTGGAATCACTGTGTCTTGACAGCTAGTCTGCCACTCGCACTGCATTTGCTGGATGTATTTGGAATGCTG
CGCGGTCTTGATATTGGATTCCGGTGGATAAG

RXS01642 - coding Region

ATGCGCAGACTCATCGCGTTAGCTTGGCCGCTCTGTTTATGTTGGCTTCCACTCCAGCGACGAGGGCA
CAGGAAGTAGAAGCTCTCGCTTGCCCCGAGGTAGCGATCGCCGATCCTTCCCTCCGCGAGTTTTAGATGAA
CACCTTTCGCAGTCATTATCCCAAGCTCACCAACTAGCAACTGGCGCCGGTGTGATGGTGGCAGTCATC
GACACCGGAGTATCCCTGCATCCACGTCTGCCCCACTTAATTCCCGGCGGTGATTTTCGTGGGCGCCAC
CAAAGCCCGGATGTGCCAGGTGAACCTATCGATTGCGACGGCCACGGCACCATCGTCGCCGGAATCATC
GCCTCCCAAGGAAACCCCGGCACCGGCTGGCCATATGACGGCAGCTCCGATCCTTATATCGGTGTGCGC
CCAGATTCCGGAATCATCTCCATTAAACAAACCAGCTCATATGTGCGTACTCGTGAAGATTCCAACGTC
GGAACGCTGAGCACCTTGGCGGAATCCATCCACCGAGCTCTCGATTCCGGTGCCACGTGATCAATATT
TCCGTGGTGTCTGTTTGGCCCAATCACCCGACGAGGCCGCGATCGTTCCAGCCTCTGACGGATGCTCTT
AACAGAGCAGAAGTTCAAGGGGTGATAGTGGTGGCAGCAGCAGGAAACCTCGGGCAGGATTGTCCAGTT
GGATCTACCGTTTATCCTGCACATTACAGACACTGTGCTCTCTGTGTCGGCACGTTTTGATTCTCACACG
CTTGACAGAATATTCCATGCCTGGCAACCAACAAATCCTCTCTGCACCAAGCCACATTACAGGCTGGTCTA
TCACCGCGTGGCGACGGCTTCGCCAGCCACATGATCACCACCGCTGGCGAAAGCCCTTCGAGGGCACC
AGTTTTTGCCGCTCCAGTTGTGACGCCACAGCTGCACTGCTTCGCCAGCATTTTCCCTTTGCCACACCC
TATGAAATTCGTGCACGAATCTTCAACAGCATCGACCTGCAAGAGGCGCTATTGATCCCTACCTGGCA
CTTACTCAAGAAATCTATCCCACCACTCCCCTGGTTCATGAGATCGCACTAAGTGTTCACGCGCGCG
GATGATTCTCCACGGGAGCGGGCATCCTAGTTACCGCAATCATTGTTGGGTTGCTCGCAGTGTTAGCT
GTGCTGATGGGACTACGCCGAATTCATCATCACTCGGCCTTTCAAAAAGCTAGCTCAAGTGTTATCACT

RXS01642 - 3'-Region

TAATCTATGAGGCACCGTTCAGA

RXS01902 - 5'-Region

GGCTGGTCCGAAGTGCAAACCTTCAACACCGGCACCTACGGTGACAACTGGAACCTCCTCTTCTTCGGC
GACACCCAGCTGTACAACACCCACTCCAACC

RXS01902 - coding Region

GTGCAGAAGAAGTCCAGAAGTGGGCAAACAACCTGGAACGGCGGCCACCAATCGAAAACCCAGGAACC
TCCTTCATCCTCTCCGCGGGTGATCAGGCAAACCACTCCAGCTGGGACGAGCACTCCGCATACATCTCC
CCAGAAACCTGCGCAACTACCGTCTGGCCGTGAACAATGGAACACGACCAGTACAACCTACGACGCC
TACAACGCGATGTACCCACGCCCTAACAGGTCGATGAGAACTACTTCTTCGAGTACAACAATGCACTC
TTCTGTCCCTGGACTCCAACGACTACTTGGACATCGACGACGACATCGCATTCTTCGCGACACCGTC
GCAGCACACGGTGACGACAAGGACTGGATCGTCTGACCTACCACCATTCCACTTTCTCCCAGGCCTAC
CACATGGATGACGCTCGCATTAAAGTACCAGCGCGAACGCCTACCCCAAGTGATCTCTGAACTGAACGTT
GACTTGGTTCTCGGTGGACACGACCACATCTACACCCGCTCCACCTGATGAACGGCTTACCCCCAGTC
GATGCAGGCCGCGAAGCAGTTGTGGTGAACTCTGAACCCTAAGGCCGCGAAGTTGTTTACCTTGCA
ACCAACTCTTCTCAGGCTCCAAGTTCTACGACTTCTACGACTTCCAGCTCGGCCAGCGTTACGACACC
GGACTGGATTTCCAGGAAACCGTCGATCAGAAGAAGATCCGCACCTACACCGCAGTCTGGAACAGGAC
CAGGTTCCAGGACTACACCAACGTTGAACTGACCCAGAACGCGCTGACTGTGACCACTAAGGACGCAGTC
TCCGCGCAGCTGGTTGACCAGTTACCCCTGAGCAAGCAGGACCGCGACGAAGAATCTGAAGTCCCAGTT
GAAGATGACAAGGACGGAGACAACGCGACCGGCTCCTCCAACCTTGGTCTAGCTGCTATCTTGGCTCCA
GTTCTGGCCATCTTCGGTTTTCGTGGTGACTCTTGTGGCGCGGCTCCCTCGCTGAGTTCTTTGCC
AACCTCGGCGTGAAGATGCCTTC

RXS01902 - 3'-Region

TAATACTGTCTGAGATTCAAGCA

RXS02453 - 5'-Region

AACCAACAAAGGTCATCTCAACCGGCTTAAGAAAAATTCTGCCAGCTTTCTGCTGATTGAATCGTGCCAG
CTCAGGGCATATCTCACCTAAAGTAAACACC

RXS02453 - coding Region

ATGAAATCAATCTTCAATTTCCGGTGCGGCGAACGGAATTGGCAAAGCTGTGGCGTTGAAATTTCTTCAC
GAAGGTTGGCTCGTTGGAGCCTACGACCTCGCGGAAATCACCTACTCACACCCCAATCTTCGCTGGGGC
TACCTCAATGTTGACAGTCCGAGTCGTGGGACAAAGCCCTAGAAGACTTTGCGACGCACACCGGAGGC
ACCATCGATGTGGTGGACAATAATGCCGGCGTAATTATTGAGGGACCGCTGCAGGACGCAGAGGAGGG
AGCGTCGACAAGCTTCTTGCAATCAACGTCAATGGCGTGACTCTTGGTGCCCGCGCCGCTCATCCTTAT
TTGGCGCGCACGCCGGGCGCCAGTTGTTAAACATGTCCTCGGCGTCGGCGGTGTACGGGCAGCCCCAG
ATCGCGGTGTATTCCGCTTCGAAGTTTACGTCGAGGTCTTACTGAGGCGCTGAATTTGGAGTGGCGG
AAAGACGATATTCGCGTGGTTCGATGTTTGGCCTTTGTGGGCGAAACCGATTGTTGTAACGGCGTGAAG
GCTAAGTCACTGAAGCGTTTGGGTGTCCGGATCACTCCGGAACAGGTGGCACAGGCGGTATGGGATGCG
GTGCATCCGAAATCTCGGTGGGCGAAGGGAAAGGTGCATCACGGGGTGTCAAAGTTGGATAAGGCGCTG
TATCTCATGAAATCTCTGTGCCTGATCGGGTAGCGATGTGTTTTGCGCGACTAATCGCCGGA

RXS02453 - 3'-Region

TAAATGAATTGATTATTTTAGGC

RXS02474 - 5'-Region

TGCTGGTCTATTGTGGCGACCGAGGGCCTTTGAAGGTTTCGACAACTGTATAAGGCCTTGAATCTTGAG
AATTTATTTTGAAGGAAGCAAGAGGAAGTGTC

RXS02474 - coding Region

ATGAGCAAAGTTGCAATGGTTACCGGTGGTGACAAAGGCATCGGTCTGGAATTTAGAGAAGCTGGCA
GCAGATGGTTTCGATATTGCCGTAGCCGACCTGCCACAACAGGAAGAACAAGCTGCAGAGACCATCAAG
TTGATTGAAGCTGCAGGTCAAAGGCTGTATTGTTGGATTAGATGTCACCGATAAGGCTAATTTGAC
AGTGCAATTGATGAGGCAGCAGAGAACTTGGCGGCTTCGATGTGCTAGTAAACAACGCCGGCATCGCA
CAAATTAAGCCACTTCTGGAAGTCACCGAAGAAGACCTAAAGCAGATCTACTCCGTGAACGTTTTTAGC
GTATTTTTTGGTATTCAAGCAGCATCCCGAAAGTTTCGATGAGCTTGGCGTAAAAGGCAAGATCATCAAC
GCTGCATCAATCGCTGCTATCCAAGGTTTCCAATCTTGAGCGCCTACTCCACCACCAATTCGCGGTT
CGTGGCCTCACCCAGGCTGCTGCGCAAGAATCGCACCCCAAGGGTCACACCGTGAATGCCTACGCACCT
GGCATCGTGGGACCGGAATGTGGGAGCAAACTCGATGCCGAGCTTTCCAAGATCAACGGCAAGCCAATC
GGTGAGAACTTCAAGGAGTACTCCTCCTCAATCGCATTTGGGCCGACCATCAGTACCTGAGGATGTAGCC

GGTCTGGTTTCGTTCTGGCTTCTGAAAACCTCCAACTACATCACCGGACAGGTCATGCTTGTGCGACGGC
GGCATGCTCTACAAC

RXS02474 - 3'-Region
TAGGGGTTGCTTTCCCGCACTCA

RXS02485 - 5'-Region
CGGTGGTCAGTGCTTGGTGCACCTTGCCGACGGGCTGATTGATCGTAATGGTGTCTTCTGTACGCGTTG
CCATGAGGATAAGACTACCGTTAGTGGGGTG

RXS02485 - coding Region
TTGGATTTCATCGCTAGCCCAGGAAATCGCCGCGATCGACGGCGTCGAACTCGATTGCGAAGTCACTTTC
GCCGATCTGACGACCCTCCGCATCGGCGGAAAAACCCCGCAGCGCCGTACGTTGCCAGACCACGGAGGCG
CTGGTCAGCGCCATAAAATTGCTTGACGACGCTCCCTCCCTCCTCATTGTGCGGCGGCGGGTCCAAT
CTCGTCGTGGCCGACGGCGATCTGGATGTTATTGCCGTCATCATCGAAACCGACGACGTCTCCATCAAC
CTCACCGACGGTCTCCTCACCGCCGATGCAGGCGCTGTTTGGGACGATGTTGTCCACCTTTCGGTGGAT
GCCGGCCTCGGTGGAATTGAATGCCTCTCCGGAATCCCCGGCTCCGCCGGCGCCACCCAGTCCAAAAC
GTGGGCGCCTACGGCACGGAAGTTTCCGATGTACTACCCGCGTCCAGCTTCTCGACCGCACACCCAC
CAAGTCTCCTGGGTGACGCGCTCCGAACTCGACCTCTCTTACCGATACTCCAATCTCAAATTCACCAAC
CGCGCAGTCGTCTTGGCGATCGAACTCCAGCTCCTCACCGACGGATTGTCCGCGCCGCTACGTTTTGGT
GAATTGGGACGTCGATTAGCGATCTCCGAGGCCGAACCCACCCACGTCGCCCGCTCCGCATGGTCCGC
GACGCCGTCTAGAACTCCGCGCGCCAAAGGCATGGTCGTGGAACACACCGACACGACACCTGGTCC
GCCGATCCTTCTTACCAACCCAACTCGTCGACCCAGCCCTTGCCGACGACGTCTTTGAAAAAGTCGGC
GAACCCACCATGCCCGCTTCCCGACCGCGCATGGCAAAGAAAACTCTCCGACGCTGGCTCATCGAA
CGCGCCGGCTTCAAAAAGGGACACCCCGCGCAGGCGCAAAGCCTCCCTGAGCACCAAAACACACCCCTC
GCACTCACCAACCGTGGCGACGCGCGCTCCGACCTCGTCGATTAGCCAAAGAAATCCGCGACGGA
GTCCTCGAAACCTTCGGCGTCACCCCTCGTCCAGAACCCGTCTGGATTGGAATCAGCATCGATGAC

RXS02485 - 3'-Region
TGAATTTTCCGACGTCCCTGGCA

RXS02539 - 5'-Region
GGCTGCTAAGCGTGCGAATGTGCGCGTTGTCACAATCGTTGACCAAGTGTACCTGACGCACAGGTAGT
GCTCAGGTGGAGGTGGCCCAAAGGAGACCCA

RXS02539 - coding Region
ATGACTGTCTACGCAAATCCAGGAACCGAAGGCTCGATCGTTAACTATGAAAAGCGCTACGAGAACTAC
ATTGGTGGCAAGTGGGTTCACCGGTAGAGGGCCAGTACCTTGAGAACATTTACCTGTCACTGGTGAA
GTTTTCTGTGAGGTCGCACGTGGCACCAGCGGACGTGGAGCTTGCACTGGATGCTGCACATGCAGCC
GCTGATGCGTGGGGCAAGACTTCTGTGCTGAACGTGCTCTGATCCTGCACCGCATTGCGGACCGCATG
GAAGAGCACCTGGAAGAAATCGCAGTTGCAGAAACCTGGGAGAACGGCAAGGCAGTCCGTGAGACTCTT
GCTGCAGATATCCCACTGGCAATCGACCACTTCCGCTACTTTGCTGGCGCGATCCGTGCTCAGGAAGAT
CGTTCCCTCACAGATCGACCACAACACTGTTGCTTACCACTTCAACGAGCCAATCGGTGTTGTTGGTCAG
ATCATTCCTTGGAACTTCCCAATCCTCATGGCTACCTGGAAGCTCGCACCGGCACTTGTCTGCAGGTAAC
GCGATCGTCATGAAGCCAGCTGAGCAGACCCAGCATCCATTTTGTATCTGATTAACATCATCGGCGAT
CTCATCCCAGAGGGCGTCTCAACATCGTCAACGGACTCGGCGGTGAAGCAGGCGCTGCACTGTCCGGC
TCTAATCGGATTGGCAAGATTGCTTTACCCGGTTCACCGAGGTGCGCAAGCTGATCAACCGCGCTGCA
TCCGACAAGATCATTCTGTCAACCTGGAGCTCGGCGGTAAAGTCCCCATCCATCTTCTTCTCCGATGTT
CTGTCACAGGATGACGCTTTCGCAGAGAAGGCAGTTGAAGGCTTCGCGATGTTTCGCCCTCAATCAGGGT
GAAGTTTGTACCTGTCTTCCCGTGCCTTGTTCATGAGTCCATCGCTGATGAATTCCTCGAGCTTGGC
GTGAAGCGAGTTCAGAACATCAAGCTGGGTAACCCACTTGATACTGAAACCATGATGGGTGCTCAGGCG
TCCCAGGAGCAGATGGACAAGATCTCCTCTACCTGAAGATCGGCCCAGAAGAAGGCGCTCAAACCCCTC
ACTGGTGGCAAGGTCAACAAGGTTGATGGCATGGAGAACGGTTACTACATTGAGCCAACCGTTTTCCGC
GGCACCACGACATGAGGATCTTCCGCGAGGAAATCTTCGGACCAAGTCCTTTCTGTTGCTACCTTCAGC
GACTTCGATGAGGCCATCCGTATTGCAAACGACACCAACTACGGCCTCGGCGCTGGTGTCTGGAGCCGT
GACCAAAACACCATTTATCGTGCAGGTGCGGCAATCCAGGCTGGTCGAGTTTGGGTCAACCAAGTACCAC
AACTACCCAGCGCACTCCGCTTTCGGTGGATACAAGGAGTCCGGCATCGGCCGTGAGAACCACCTCATG
ATGCTGAACCACTACCAGCAGACCAAGAACCTGTTGGTCTCCTACGATCCAAACCAACCGGACTGTTT

RXS02539 - 3'-Region
TGATCTAAGCGTTAAGTCCTAGA

RXS02554 - 5'-Region

GCTTTTGAAGTGTGTGCGGTGTGCGGACTGAAATAGTTTCCGCTTCAACTTGGTTGCTAAGGATAGGCT
CCATAAAAAATAACCAAAGGCGGAAAATTTCA

RXS02554 - coding Region

ATGTCACACACTAAGCCATCCATTGCCATCCTCGGTGCTGGCCGAGTGGGTCTTCACTTGCCAGGTCA
GCGGTGCGCCGAGGCTATGAGGTAAAGGTTGCTGGTTCAGGTGCTGTGGACAAAATCGCTCTTACCGCT
GAGATCCTTATGCCCCGCGCGGTTCCAAGCACTGCTGACCAGGCTGTAAAGGATGCAGATATTGTGTTT
TTGGCTGTTCCCTGCATAAATTCGCGAGTGTCAATCCAGCCACTTTAGAGGGCAAGATCGTTATTGAC
ACGATGAACCACTGGGTTCGCGTCAATGGTGAGTTGGAGGAAATTGATCAGGATCCGCGCAGCACTTCG
GAGATTATTGCGGAGTTTTTCGCGGGATCAACCATGGTGAAGTCTTTAACCACATTGGTTATCACGAG
ATTGAGCAGGATGCGGGTACCGGGCGTGCGATTGCGTATGCCACGGATGATGTGGATGCAGGTGCCCAG
GTTGCACAGCTAATTAAGAGTTTTGGGTTTGTCTTTAAATATTGGCGCATTGGAAAACGGCCGTATT
CTGGAACCTGGCCAAGAAGCTTTCGCGCGCACCTTAATAAAGATTTCGCGCCTAGAACTTGTTAATCAG
CGG

RXS02554 - 3'-Region

TAGTACCTCGATCTTCAGCCAAC

RXS02560 - 5'-Region

TTGGGGCAAGCCAGCTAACGCATTTCTTGTGGAAACCGCAGACATTGAGGCCGCCACGCGGAACTTCT
AAGAGCAGTGGAATGAAATAATCCGGTGCTG

RXS02560 - coding Region

ATGCAGGGCAACTCGCTTAATCTGGCAGACAACAGCGAGAGAAAGAAGCCCATGCCGTCAACCAGGAGAA
CTTTTAGCCGCCCCGCTACGGACAACCTGCAACCTGGACGCCACCGCAGTGAATGAGACGCTTGATGTC
ATTCACCAGCATCGATCAGTTTCGCGAGGTGGTTGGATAAACCGGTTGATGATGACACCATCCGCACCAT
ATTTCCGCCGCACAATCGGCTGGAACCTCTTCCAATAAGCAGGTCAATTTCTGTCTATCGTGGTTAAAGAT
CCTGAGCTGAGGAAAGGCCTCGCGGGGATCACTCGCCAGATGTTTCCGCACCTTGAGCAGGTTCCCGCG
GTGCTGATTGTTGATTGATTATTCCCGAATCAGTGGCTGGCAGCCAGAGAAGATCTCCCAACAGGG
GCTCTTGATTCTCGATGAGGCCGCGTGGGGGTTCTCGACGCCGGAATCGCAGCTCAAAACGCTGCA
ATTGCTGCGGAGTCACTTGGAATTGGGAACGCTCTATTGTTGGGTTGCGTGCACAACGATGCGGAAGCCGTG
CACAAATTGCTTGGCCTTCCACCTGAGATCGTGCCTGTCTGGGCTTGGAATGGGGCATGCGGATCCG
CCTGAACCTGCCGGAATTAACCTCCCTGCCACAAGAAGCCATTGTTCACTGGGATACCTACACCGAG
AAAAACCTCGAATTATCGATTCTACGACCGCGCCCTCGACACTTACTATTCTCGCTACGGCCAGCAC
CAGCTCTGGTCTGAAGCAGACGGCGCATAGGGCGGCGTCAAAAAGCTTTTCAAAAACCAACAGGCAGTTC
CTTAGGGGCGTGTGTTGAGCGCGCCGGGTTTGGGCTGAGA

RXS02560 - 3'-Region

TAAAAGCATGATTATGGACGCCT

RXS02578 - 5'-Region

GGCAAAAATGAGGAACAGCACGCCCGCAATAATGAGGACCGTTGCAGATCGCTTCATAAAAACAGCCCA
CACCTTTCGCTAAACTCGCATGTTGAAATA

RXS02578 - coding Region

ATGTCTACCCAATCATATGCACCCATCCGCCATCGCGGATTCATCAGCTCACTCGAGGGACTACGCGCA
ATCGCCTCCCTGGGAGTCTTGGCGACCCACGTTGCATTCCAAACCTCCGTCGACCCCGCCAGCAACATC
GGTGCACTACTCGCGGTTTTCGACTTTTTCGTCGCCGCTTCTTCGCCCTCTCCGCCTTCGTTCTTTGG
CGACGCCGCGCCGGGCAACCAAGTGGGACTGTACTACCTCAAACGCCTAGCCCGCATCATGCCCCATAC
TGGGCAACGGTCATTGCAGTCTGTGTTTATTTCCACCGGCCCCCTGGTTAGCCAACCTGACGATGACC
CAAATCTACTGGCCAGACGGGCTCATGACAGGCCCTACCCACCTTTGGTCCCTGTGCGTGGAAGTGGCG
TTTTACCTGGTGATGCCGCTTCTCGCGTGGGTGTTGGATAGGTTTGGTTCGGCCGGTGCATCCTGTTG
ATTGTTGGTGGGGCAGTGTGAGTCTGGCGTGGCCGTGGATTCCCCTTGTGGAGCATGCGTTGGACGAG
GGGTGGGCGAACATGCAGATCTGGCCACCCGCTTACGCTTGTGGTTTGCAGTCGGCATGATCGCCGCA
GAAATTGAAGGAGTTCGATTCCACGGGTTCGAGCTTTGTGTGGGTGGGTTTAGCTTTAGTGGTTCGCT
TGGATCGCGGGCCAAGAATGGTTCGGACCACTAGGTTTAGTGCACCCAGCCCTGGGAATTCAACTTA
AGAGTCTTCGCGGGCACACTTTTCGCTGTATTCTGGTGGTTCCCTACGCGCTGGGTACGCCCTCTCGG
CTTCTTGATTCCAGTTGGATGAAAACGCTCGGCACCTGGTTCGTATTCCATCTTCTCTGGCACCTTCCC
GTGCTGACGATTGTGTTCCCACTGCTCGGGTGCCTTTATTTAGTGGAATTTCTGTGGTGTTCATC

GTGACGGTCTTGTGACGATCCCAGTTGCCGCCATCAGCTACACCTTCATCGAAGAGCCCATCAGCGGT
GGACCCGGCGGCCATTACAGGCTGGGGGTGCTTAGGATTACCATTTTTCTGGGGGTAGGTCTGAAAAA

RXS02578 - 3'-Region
TGATGAATTGGCACCACGTCAAG

RXS02741 - 5'-Region
ACTGGTCACCTGGTTTGGTCTGCACTCTGACTCCCCTCAAAAGGGCACAATTTGGTCAATTTCCCAACC
TTGTCTTTCAGTCATGGTTAGTGTGGGAACC

RXS02741 - coding Region
ATGAAGGCAATCTTAGTTTCCCGCACCGGCGGACCAGAGGTGTTGGAGTTCACCGACACTGACGCCCCA
AAGCCCACTGATGATCAGGTTTATGTTGAAGTTGATATGGCTGGCGTCAACTTTATTGATACTTACTAT
CGCCAGGGTGAATATCACGCTCGCCTGCCGTTTATCCAGGTTTTGAAGGCACTGGTCGGGTGTTGGAG
GATCCGCAGGGGTGATTGCGGCGGGTACCAAGGTGGCGTGGTGTGATGCCATGGGTTCGTATGCTCAG
CAGGTGTGTGCGCGGGATCGCTTGGTGGCGGTTCGCCAGGGCGTGAGTTCGGAAGTGGCTGCGTCG
ATGTTGATGCAGGGAATCACTGCGCATTATCTAACCAATGGTGTGTATGAGCTTGAAGAGGGCGATTCT
TGCTTCATCACTGCTGGCGCGGGTGGTGTGGATTGTTGGCTACGCAGATGGCGGCGGCCAAGGGAGTG
CGCGTGTACAGCGTGGTGTCCACGGATGAAAAAGCTGAGCTTGCTTTGGATGCCGGTGCTTATGAGGTG
TTTCGTTATTCCGATAATTTGGCGGAGCAGGTTTCGTCCGCACAACGGGGGTGCGGGAGTTGATGTGGTG
TATGACGGTGTGCGCCAGTCCACGTTCAATGAGTCCTTAGAGGCTGTTCTGTCGCGCGGCACTGTGTGT
TTGTTTGGTGGCGGTGCGGTCTGTGGAGCCTTTTGATCCGCAGCTGTTGAACACTCACGGTTCGATC
TCTTTGACCCGCCCAAGCATTGGCGCGTGGACGCTCTGAGGAGGGCGAATTTGCCAAGCGTGCACAGGCG
GTCACGCAGGCCATCGTCGAAGGCACCTTGCGGGTTCGCGTTACTGGCACATATTCGCTTGCCGACGCC
TACATCGCCCACCGCGACCTTCAGGCGCGTAGCACGAGCGGTTCTTTGGTCTTGGAATCCCGAAGGAC

RXS02741 - 3'-Region
TAAACACGCATAAAAAGATCCTG

RXS03058 - 5'-Region
ACGAGCTTCGCTCTGCACAAGCCGCTAGAAGCCCCGCATAGCCCTAATGTAGAGCTCATGCCCATTTG
GAATCACAAACCCGCATATCGGCCATGGCTG

RXS03058 - coding Region
GTGTCAAAGCTCAAAGGCTCAAGATCGCTTCTCGACGTCGGCTCCGGCGATCACTCCTTCGCCGACCTG
GCCGGCCGCCAGGTGCGCGATGTCGATGTCGTGGATCCTCTTATTAATACAACCTTTGAAGAATTCCAG
CCGACCCAAAGCTACGATGCCATCACGTTTCATCGCGTCCCTCCATCACATGAACGCGGAAGAAGGACTT
AACAAAGCAGTCCGAATCCTCAATCCTGGCGGCAAGCTCCTCATCGTAGGCCTCGCCAAAAACAAACC
GCCTCCGACTGGATCATCTCCGGACTACAAGCTTTCTCTCCCGACCAATCAGCCTCATCAATAGGGAA
CAACAAATCTACCCCTTCCCTACCAAGAACCCTCAGAGAGTCTCCACGAAATACGACAACCTACCAAG
CAGCTCCTCCCTCACCGCCGTATTGCGCGTGGAATCCACTTCCGATACCTCCTCGAGTGGACAAAGCCT

RXS03058 - 3'-Region
TAAACAGCCCTATAAACCAAAAA

RXS03061 - 5'-Region
CTGCCACCACTGGTCATTGCAGAGGACACTCTCCGTGATGGTCTTCAGGTGTTAGTCGCAGCCCTAGAG
CGCGAAACCGCGCACCAGAAGGTGGGCTAAA

RXS03061 - coding Region
GTGTCTTTGACCTTCCAGTAATCAACCCAGCGATGGCTCCACCATCACCGAGCTAGAAAACCACGAT
TCCACCCAGTGGATGTCCGCGCTCTCTGATGCAGTTGCAGCTGGTCTTCATGGGCTGCGAAAACCTCCC
CGCGAAAGATCCGTGGTACTCACCGCAATCTTCGAAGCACTGACCGAACGCGCCCAAGAAGTTCAGAG
ATCATCCACCTGGAAGCTGGAAGTCCGATGCAGAAAGCTCTTGGTGAAGTCGCTTATGGTGCAGAATAC
TTCCGTTGGTTTGCAGGAAGAAGCAGTGCGCCTGCCCCGCCGCTACGGACAGTCA

RXS03119 - 5'-Region
TGGGAGGTGTCGCACCAAGTACTTTTGCGAAGCGCCATCTGACGGATTTTCAAAGATGTATATGCTCG
GTGCGGAAACCTACGAAAGGATTTTTTACCC

RXS03119 - coding Region

ATGGCTGTATACGAACTCCCAGAACTCGACTACGCATACGACGCTCTCGAGCCACACATCGTCGCTGAA
ATCATGGAGCTTGACCAGTCCAAGGACCACGCAACCTACGTTGCGGGCGAAATGCAGCACTC

RXS03119 - 3'-Region
TAGGCACTAGAGAAGGCACGCGA

RXS03120 - 5'-Region
CTGGGCAGTTCTTGGGTACGACCACATATCCGGTGCCTGGTTATCGAGCAGCTCACCGACCAGGAGGG
CAACATCTCCTTCGACATCACCCCAGTTCTG

RXS03120 - coding Region
ATGCTCGATATGTGGGAGCAGCTTTTCTACCTGCAGTACATGAACGTTAAGGCAGATTACGTCAAGGCT
GTTTGGAACGTCTTCAACTGGGACGACGCAAGAGCAGCTTCGCAGCAGCTTCCAAG

RXS03120 - 3'-Region
TAAGCATTTTTAGTCCGTGCAAT

RXS03150 - 5'-Region
TTTAACAGAGTGCCTTTCAATGCCTGTAGTGTTCGGCAATTTTGAATGTCGTTACGGTTACCCAAGGC
TGAATTCCTGAGCTCACCTTGTACAAGATCA

RXS03150 - coding Region
GTGGAAGCCCAGTTCACCTCTCCCCTGCTCAACAATGGGCAAACCTGTTTCCTTGGTACCCGAATCCTT
GCTCCAAAATCAGTTACGCGGAAGTAGTCGATGCATTACCGCTTTCGCTGGCAGCCTGCAGGTTGGA
GTCACGTCCTCCCCTGACACTCAGATCGGACCGATGGCGACTGCCCGGCAGCGTGAGCGCGTGGAATCC
TACATTTCCCAAGGCAAAAATGCTGGAGCCCGCATCACTGTCGGTGGCAGCCGTCCACGAGATCTTGAC
GCCGATTCTTCGTTGAGCCAACAGTGTTCGCCGATGTAGACAATCGCGCAGCCATTGCCCAAGATGAA
ATCTTCGGACCGGTGCCCTCTGTTGTTTCTACCAAGACGATGAACACGCCATCCAAGTACCAACGAT
TCCGAATTCGGTCTCGGCGGAACCTGTCTGGACGAGCGATCCCGAGCGCGGCGCTGCATTGGCCCCGCCGA
GTTACACAGGAACCATTTGGCATCAACCGCTATATCCCTGATCCCGCCGCACCATTTGGAGGTGTGAAA
AACAGTGGCCTTGGCAGAGAACTCGGCCCCGAAGGTCTTGCTTCTACCAAGAAACCCAAACCATTTAT
CTC

RXS03150 - 3'-Region
TAATCCAAACTGCACCTATATAT

RXS03218 - 5'-Region
TTGGTACGGGGGTTAACAACCTAGCTTTGTATCTGAAGGCTTCGGAGATTTCCTGTATACATCAACAAT
TGCCCTTTAACCAGGAGTATTCTTAGCTTCT

RXS03218 - coding Region
ATGACTCCTGATCTTGACGCTTTTCTGGACAACTTTATGCCGAGGGGCAGGAATTTGATGCAGAGCAA
CCGGATCGGCTTGATCGCAGGAGAAACCTTGAATCTGAAAGCGCTGCGCTACTTCGCTCGCTCATCTAC
GGAATTAGTCCAAAGTCAGTTCTCGAGCTAGGCACATCCAATGGTTACTCGACTATTTGGATGGCAGAT
GTCGTGAATTTAACAACAGTAGACAATGATCCTGAGCGGTCTTTGGATGCTGCAGCAAACCTTCGCGCC
GCTGGAGTTGAAGAAAAAGTTCAACGAATCGTCGCCGATGGAGCAACCGTACTTGCCGATTCCCGCGAT
GAACAATGGGATTTCAATTTCTTGTATGCCGAACAATCACTCTATGTAAATTGGTGGCCTGACCTGCAA

RXS03218 - 3'-Region
TGAGTTCTAGCAAATGGCGGCTTGTTAGTG